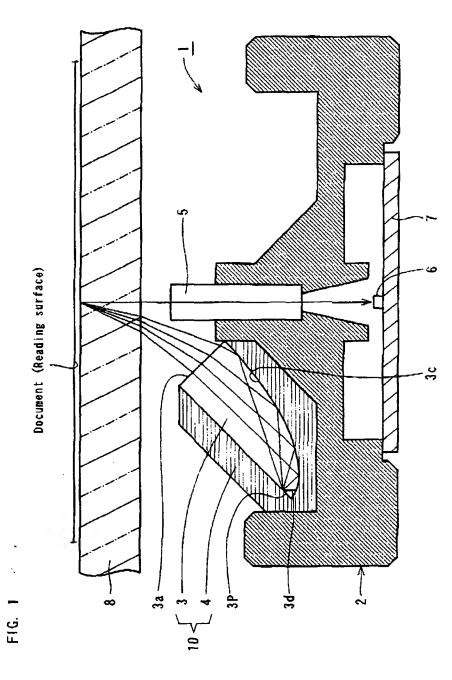
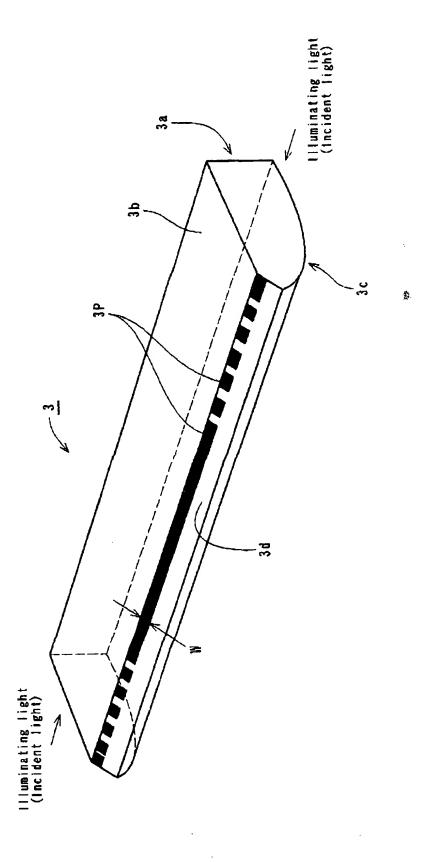
Docket No.: 12052.44US01
Title: SHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCORPORT WITH THE RAR-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE SI INCO ATED WITH THE LINE-ILLUMINATING DEVICE Attorney Name: Curtis B. Hamre
Phone No.: 612.336.4718
Sheet 1 of 24



F1G. 2

Inventor: IKEDA
Docket No.: 12052.44US01

BAR-SHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCORATED
THE BAR-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMA
SOR
IN-SRPORATED WITH THE LINE-ILLUMINATING DEVICE
Attorney Name: Curtis B. Hamre
Phone No.: 612.336.4718
Sheet 2 of 24

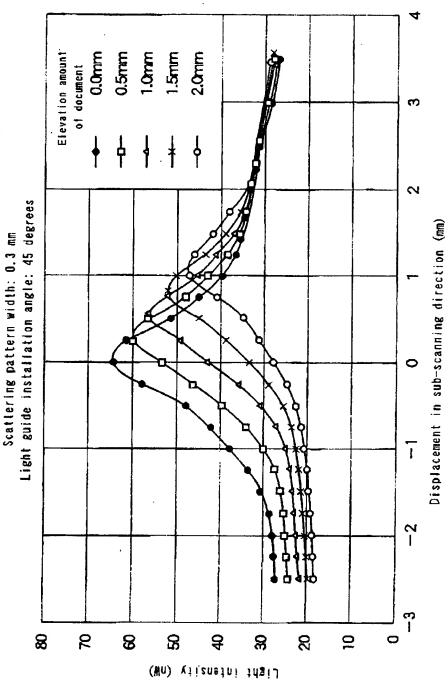


Docket No.: 12052.44US01
Title R-SHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCORWING BAR-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE INC. FRATED WITH THE LINE-ILLUMINATING DEVICE

Attorney Name: Curtis B. Hamre Phone No.: 612.336.4718 Sheet 3 of 24

incorporated with light guide according to the present invention Light intensity characteristics of line-illuminating device

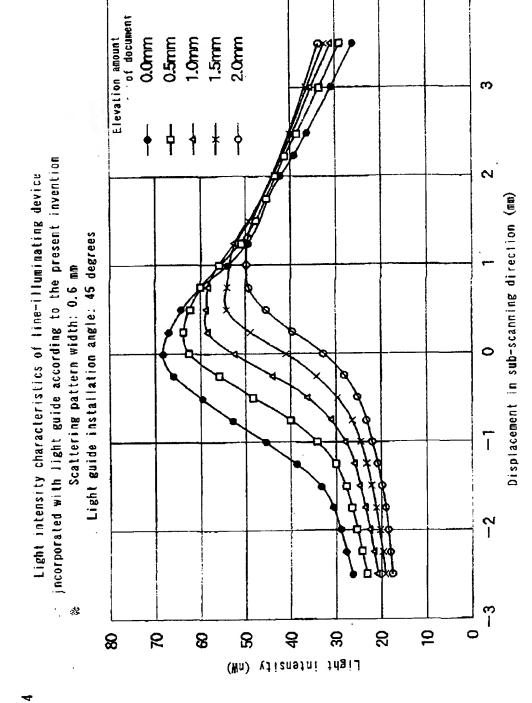
۳. 6.



Docket No.: 12052.44US01
Title 8-SHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCORUMINATING DEVICE INCORUMINATING DEVICE INCORUMINATING DEVICE INCORUMINATING DEVICE INCORUMINATING DEVICE TED

Attorney Name: Curtis B. Hamre

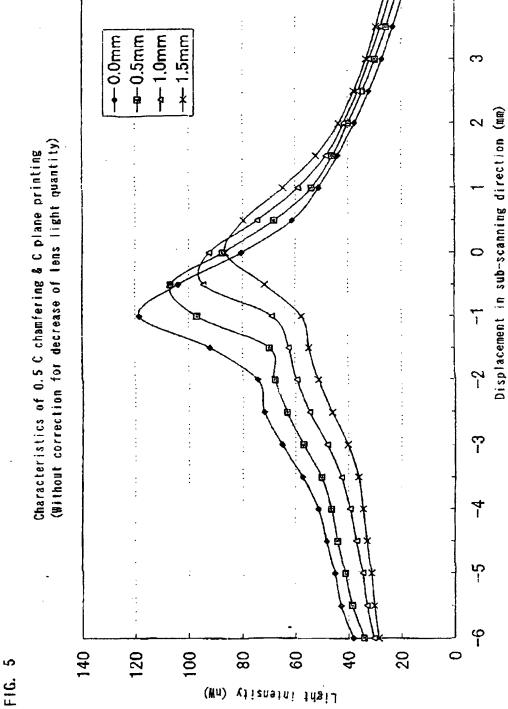
Phone No.: 612.336.4718 Sheet 4 of 24



ATED OR



ß



Docket No.: 12052.44US01 DOCKET NO.: 12032.440501

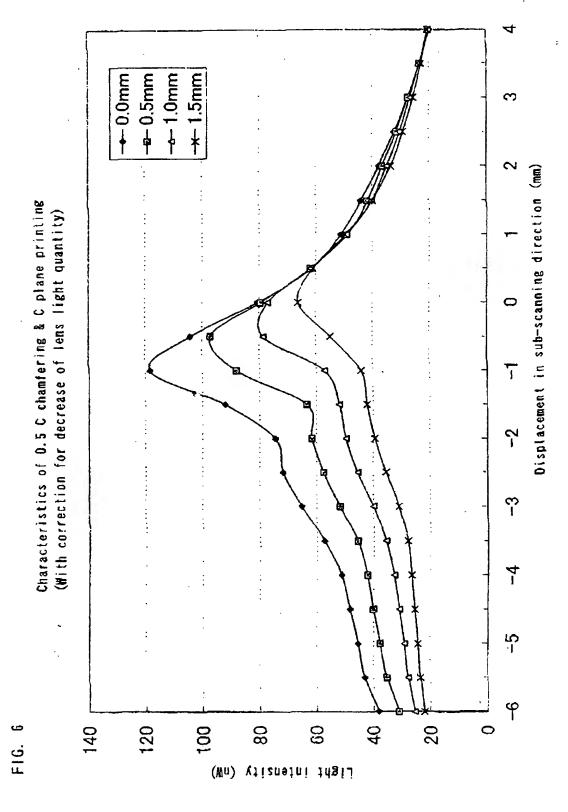
Title: SHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCORPORATED WITH AR-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE SE INCO.

ATTEC WITH THE LINE-ILLUMINATING DEVICE

Attorney Name: Curis B. Hamre

Phase No.: 613.336.4719

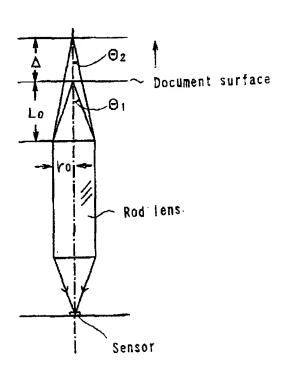
Phone No.: 612.336.4718 Sheet 6 of 24



Docket No.: 12052.44US01

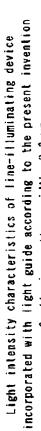
Title: P-R-SHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCORP
WIT BAR-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE S
INCL. ATED WITH THE LINE-ILLUMINATING DEVICE
Attorney Name: Curtis B. Hamre
Phone No.: 612.336.4718
Sheet 7 of 24

FIG. 7

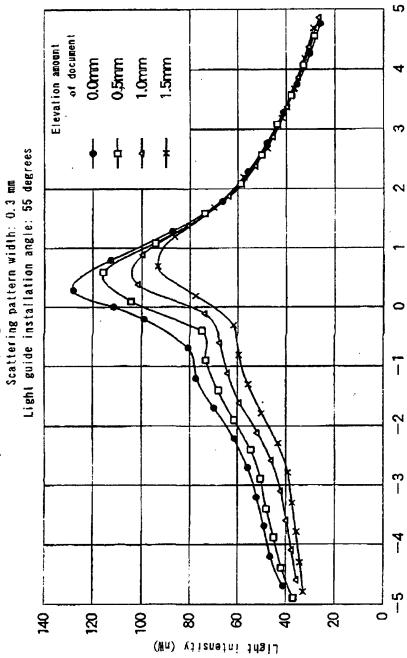


Docket No.: 12052.44US01
Title: B JAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCORPOR WITH THE R-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE SEN INCORPORTED WITH THE LINE-ILLUMINATING DEVICE

Attorney Name: Curtis B. Hamre Phone No.: 612.336.4718 Sheet 8 of 24

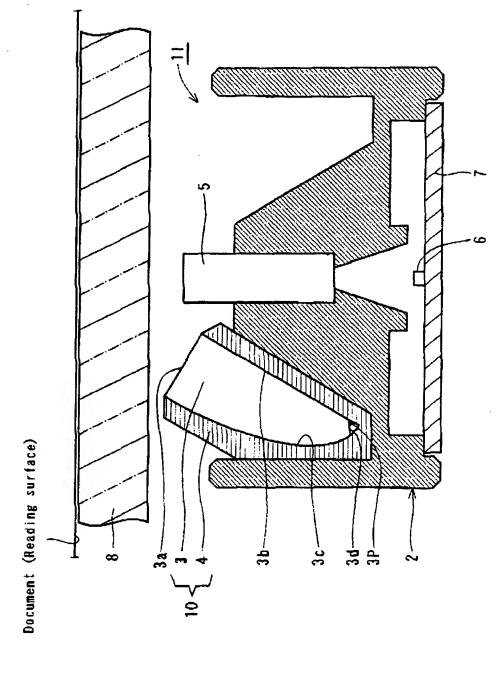


F1G. 8



Displacement in sub-scanning direction (mm)

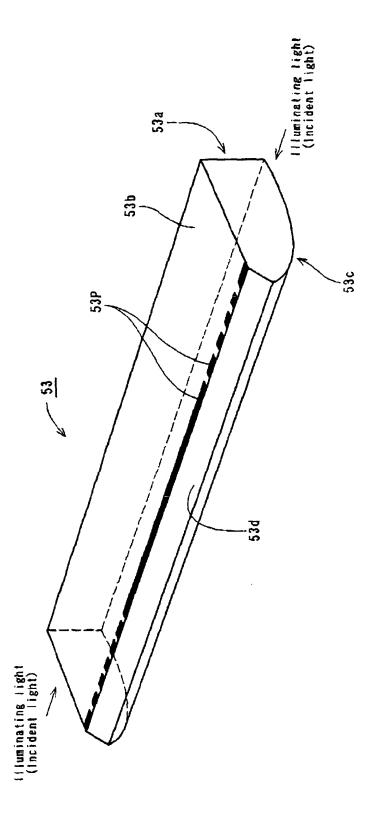
Docket No.: 12052.44US01
Tip CAR-SHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCOVER BE BAR-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGING ORATED WITH THE LINE-ILLUMINATING DEVICE Attorney Name: Curtis B. Hamre Phone No.: 612.336.4718
Sheet 9 of 24



F1G. 9

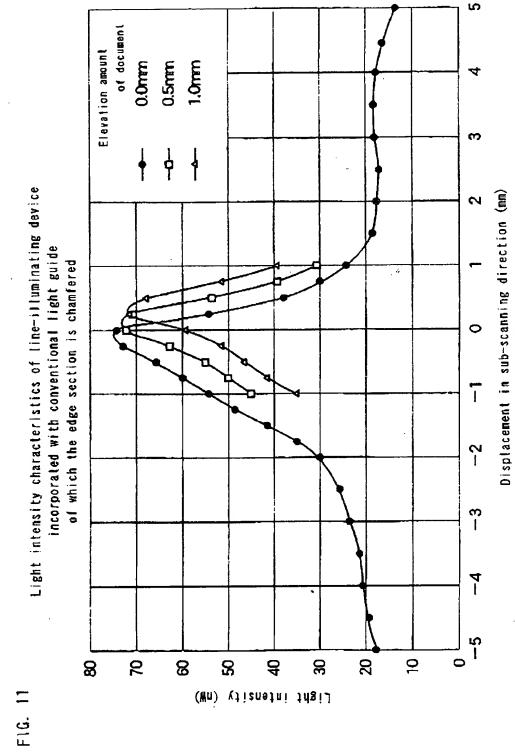
F1G. 10

Docket No.: 12052.44US01
Title: BA SHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCORPORWITH
R-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE SEN INCOR FED WITH THE LINE-ILLUMINATING DEVICE
Attorney Name: Curtis B. Hamre
Phone No.: 612.336.4718
Sheet 10 of 24



Docket No.: 12052.44US01 DOCKET NO.: 12092.44US01

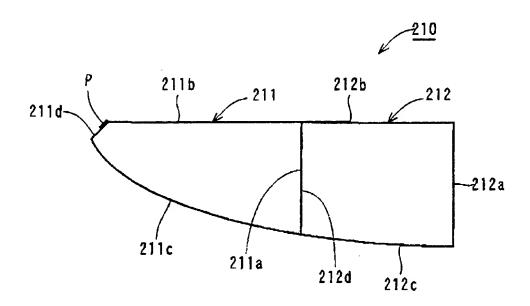
T: BAR-SHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCOME
HE BAR-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE
IN PORATED WITH THE LINE-ILLUMINATING DEVICE
Attorney Name: Curtis B. Hamre
Phone No.: 612.336.4718
Sheet 11 of 24 RATED OR



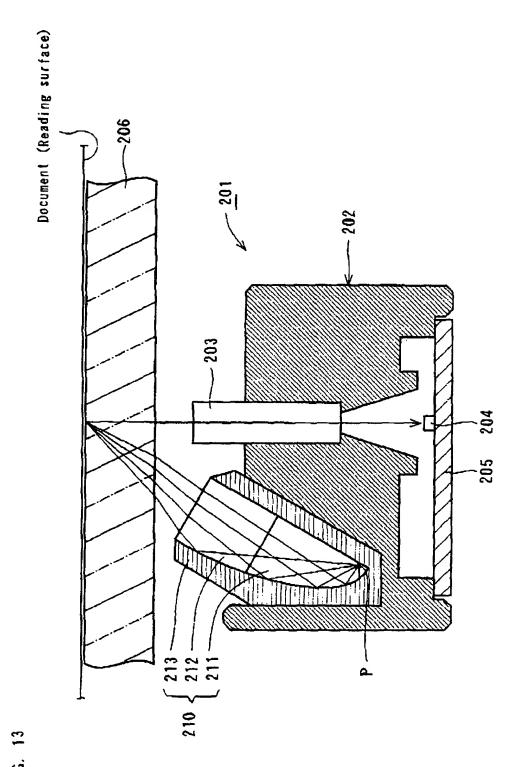
Docket No.: 12052.44US01
Title: HAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCORPORTURE AR-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE SE INCOR ATED WITH THE LINE-ILLUMINATING DEVICE Attorney Name: Curtis B. Hamre Phone No.: 612.336.4718
Sheet 12 of 24 TED

FIG. 12

ngolseus ayası

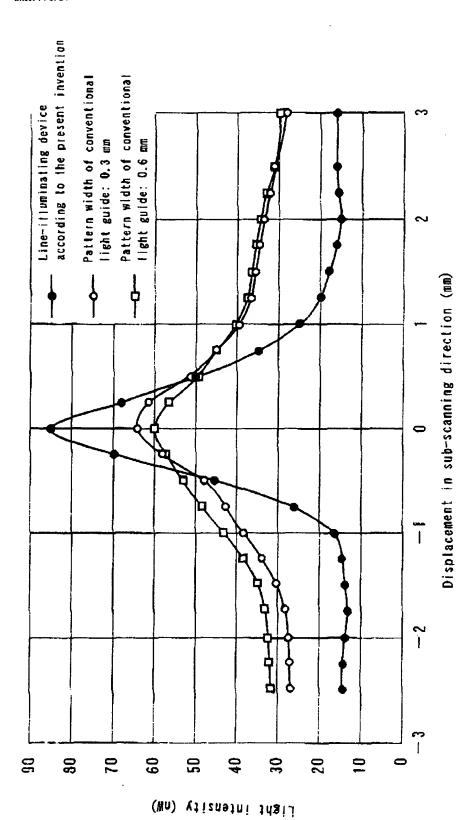


Docket No.: 12052.44US01
Title: SHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCORP
WITH AR-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE SE
INCON ATED WITH THE LINE-ILLUMINATING DEVICE
Attorney Name: Curtis B. Hamre
Phone No.: 612.336.4718
Sheet 13 of 24



Docket No.: 12052.44US01
Title: CHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCORP
WITH AR-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE SE ATED WITH THE LINE-ILLUMINATING DEVICE

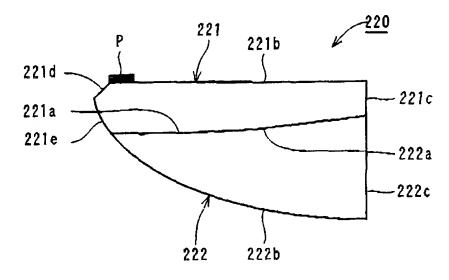
Attorney Name: Curtis B. Hamre Phone No.: 612.336.4718 Sheet 14 of 24



Docket No.: 12052.44US01
Title: BATCHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCORPOT
WITH TO R-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE SEN
INCORT
ED WITH THE LINE-ILLUMINATING DEVICE

Attorney Name: Curtis B. Hamre Phone No.: 612.336.4718 Sheet 15 of 24

FIG. 15

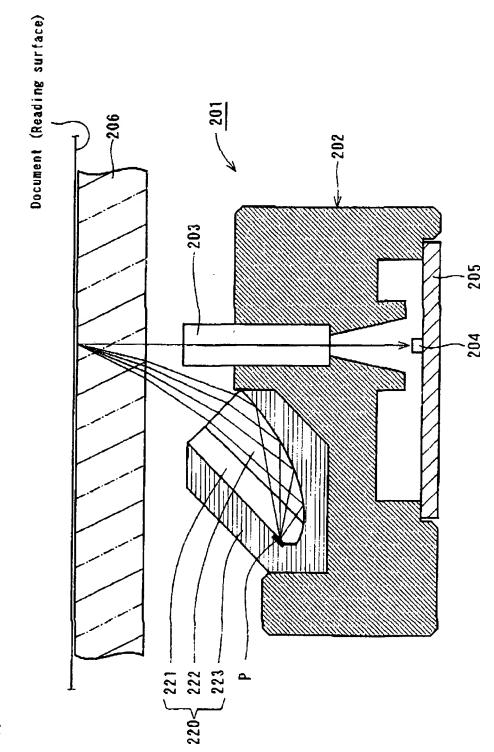


ngg-kkuz nyakna

Docket No.: 12052.44US01

Title: PHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCORPORT
WITH AR-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE SET INCOR.
FED WITH THE LINE-ILLUMINATING DEVICE
Attorney Name: Curtis B. Hamre
Phone No.: 612.336.4718

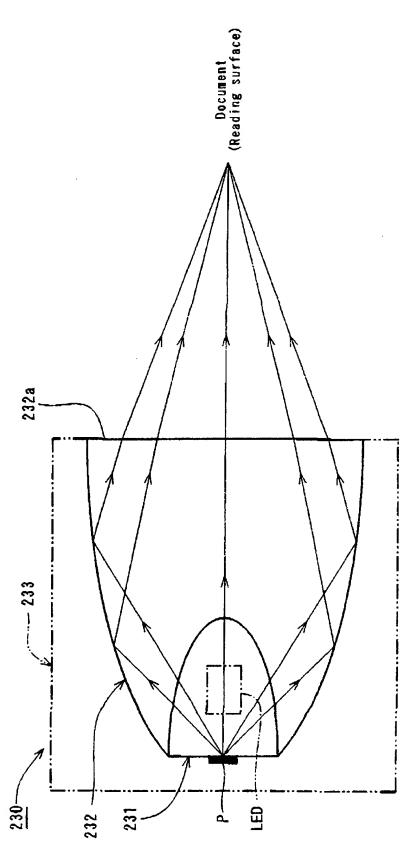
Sheet 16 of 24



F16. 17

Docket No.: 12052.44US01
Title S-SHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCORP
WIT BAR-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE S
INCORRATED WITH THE LINE-ILLUMINATING DEVICE

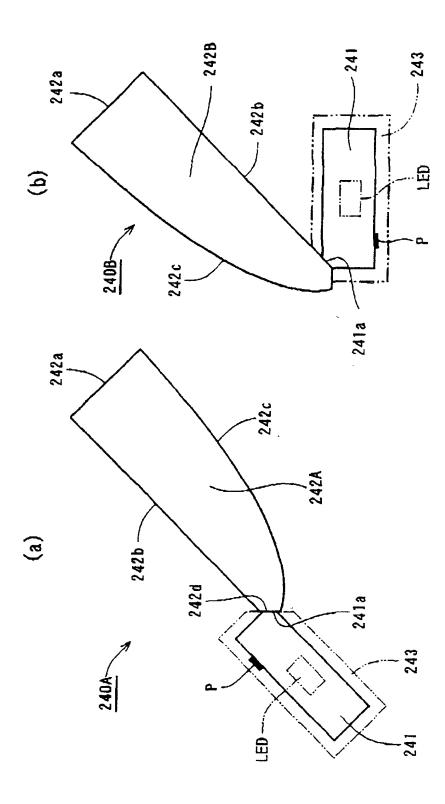
Attorney Name: Curtis B. Hamre Phone No.: 612.336.4718 Sheet 17 of 24



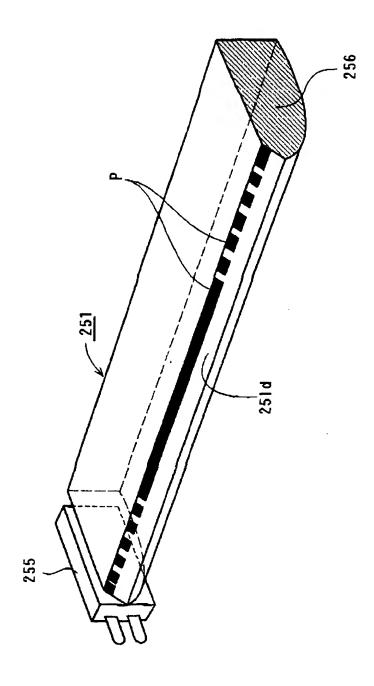
Docket No.: 12052.44US01

Title: SHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCORP
WITH AR-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE SE
INCO. ATED WITH THE LINE-ILLUMINATING DEVICE

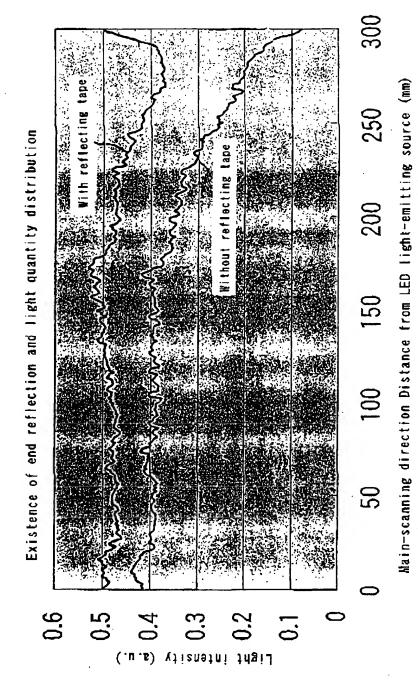
Attorney Name: Curtis B. Hamre Phone No.: 612.336.4718 Sheet 18 of 24



Docket No.: 12052.44US01
Titl AR-SHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCOME
B BAR-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE
IN DRATED WITH THE LINE-ILLUMINATING DEVICE
Attorney Name: Curtis B. Hamre
Phone No.: 612.336.4718
Sheet 19 of 24 RATED R



INCOR. ED WITH THE LI Attorney Name: Curtis B. Hamre Phone No.: 612.336.4718 Sheet 20 of 24



F1G. 20

Ann The tent that he had by the

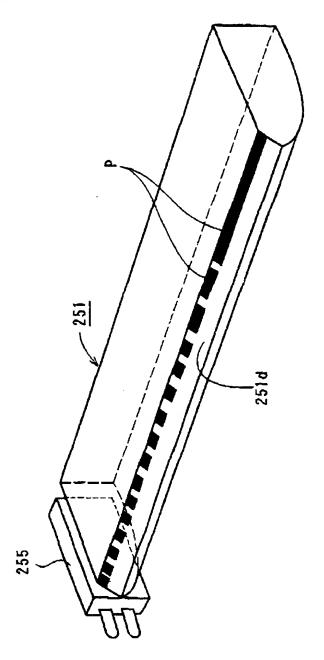
In the west then then the

Docket No.: 12052.44US01

R-SHAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCOR BAR-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE : RATED WITH THE LINE-ILLUMINATING DEVICE Title WIT INC

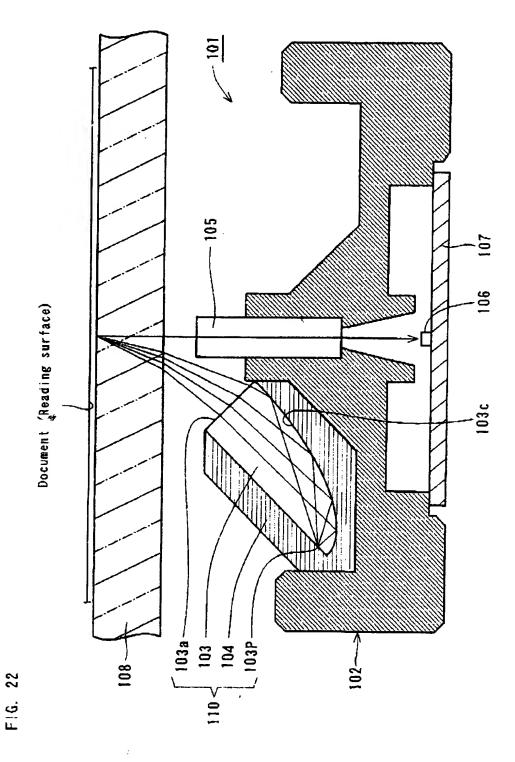
TED

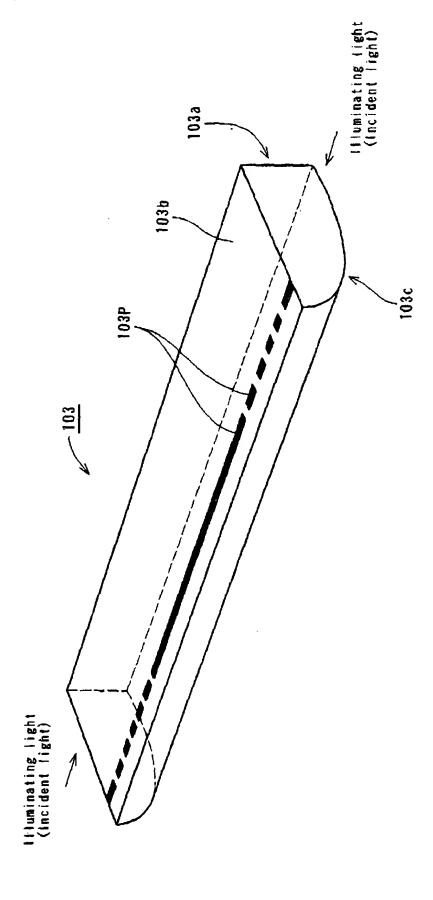
Attorney Name: Curtis B. Hamre Phone No.: 612.336.4718 Sheet 21 of 24



Title: BAR CONTROLL INCORPORATION OF THE CONTROLL INCORPORATION OF THE CONTROLL INCORPORATION OF THE CONTROLL INCORPORATION OF THE CONTROLL INCORPORATED WITH THE LINE-ILLUMINATING DEVICE ALTONIA SHAPE Phone No.: 612.336.4718

Sheet 22 of 24





F1G. 23

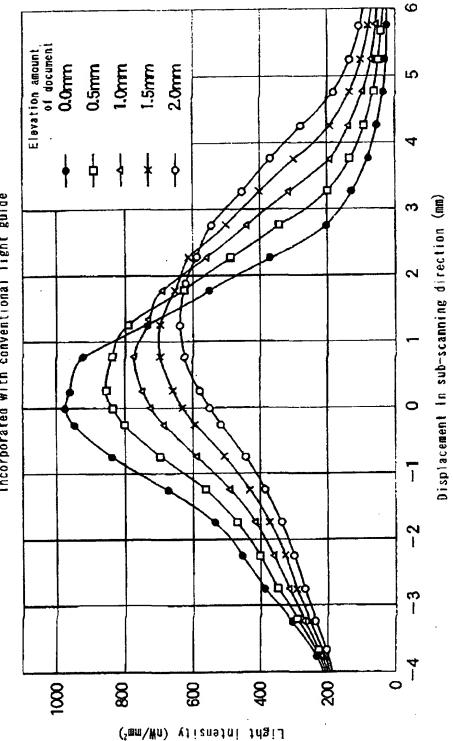
Inventor: IKEDA
Docket No. 12052.44US01
Title: HAPED LIGHT GUIDE, LINE-ILLUMINATING DEVICE INCORPORT
WITH HAR-SHAPED LIGHT GUIDE AND CONTRACT-TYPE IMAGE SEN
INCORPORATED WITH THE LINE-ILLUMINATING DEVICE

Attorney Name: Curtis B. Hamre Phone No.: 612.336.4718

Sheet 24 of 24

Light intensity characteristics of line-illuminating device incorporated with conventional fight guide

Is the will the star that



F1G. 24